



BIM Seminar 2026

Reviti ja Inventori koostööst.

Inventor ehitusinseneri tugevusarvutuste töövahendina



Tõnis Ots

Usesoft AS, koolitaja

Tõnis Ots

Usesoft AS - Autodeski poolt atesteeritud instruktor
DoWisely OÜ – mehaanikainsener, konsultant

- Diplomeeritud mehaanikainsener, tootearenduse alal, tase 7
- Tallinna Tehnikaülikool, tootmistehnika (MSc)
- CAD programmide kasutamise kogemus üle 25 aasta. Autodeski mehaanika tarkvarad: Inventor, Vault, AutoCAD ja Fusion 360.



Usesoft AS

IT konsultatsiooni ja müügi ettevõte

- Asutatud 1991a.
- 20 spetsialisti ning konsultanti
- Projekteerimis- ja äritarkvara lahendused;
 - Koolitused ja konsultatsioon;
 - Ehituse- ning tootmise andmete juhtimine ja visualiseerimine;
 - IT tugiteenused.



Specialization

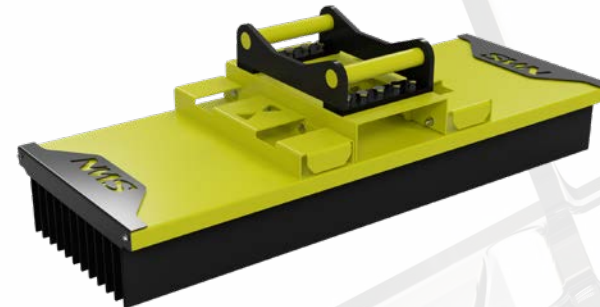
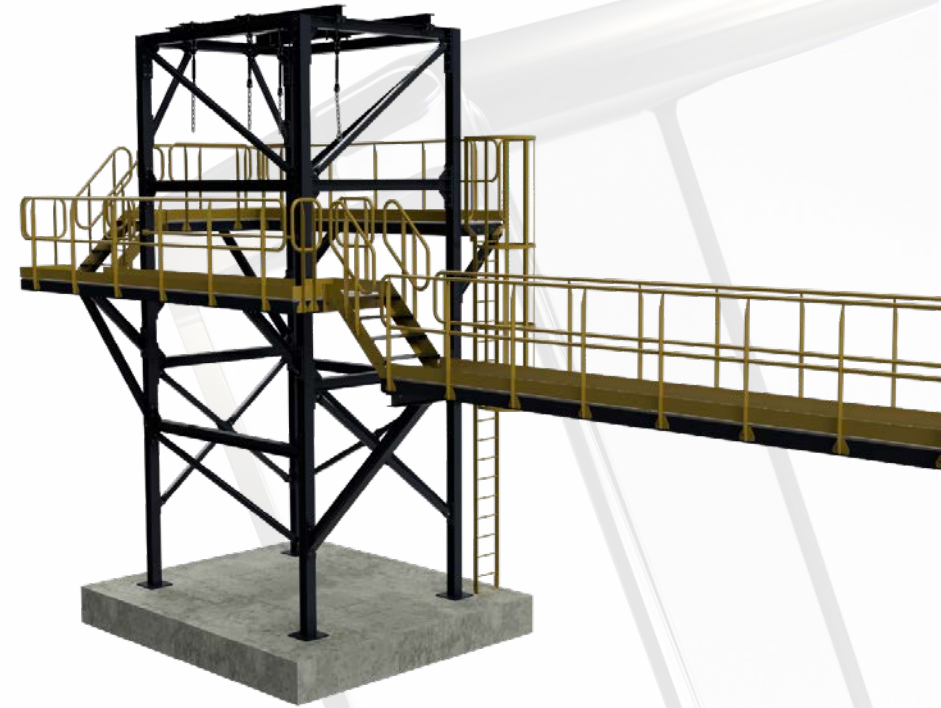
Architecture, Engineering
& Construction

Value Added Service

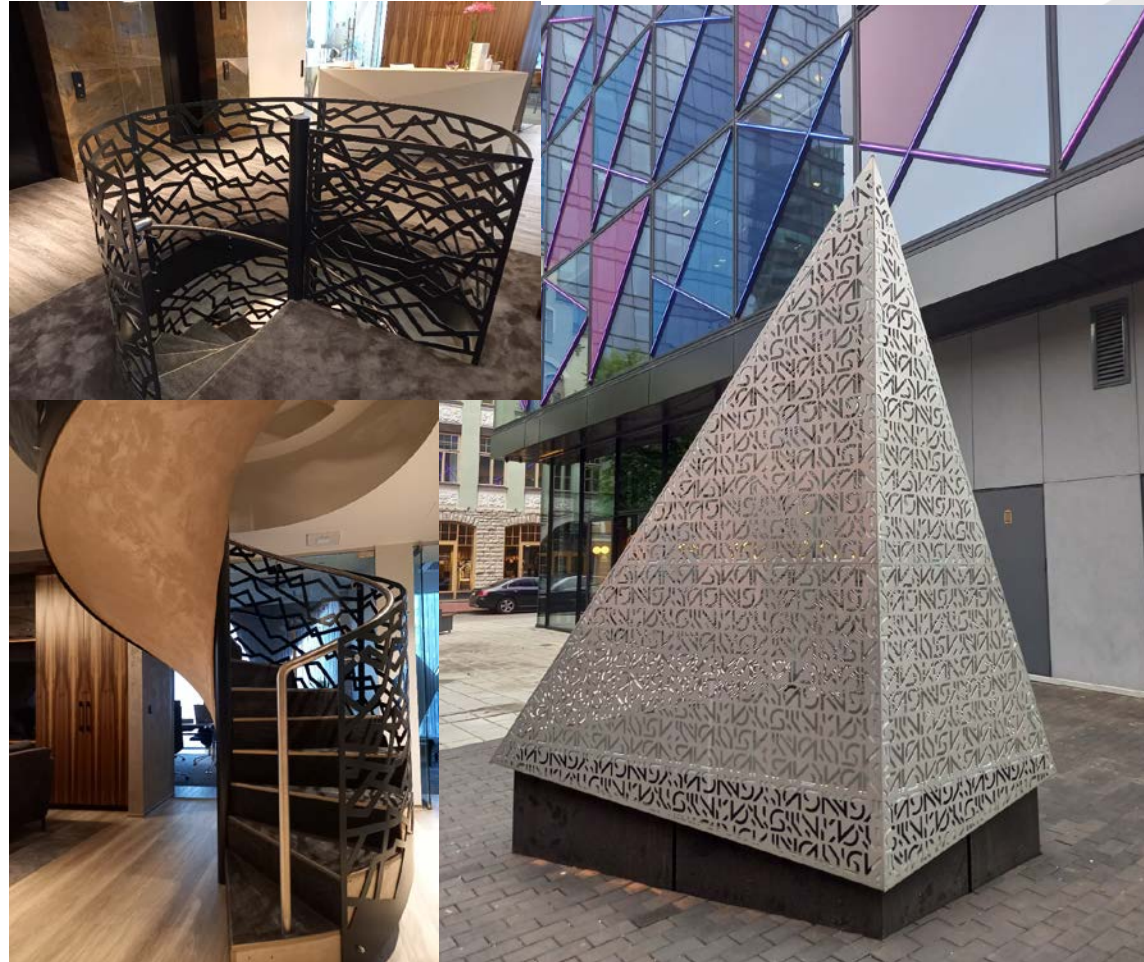
Authorized Training Center
Authorized Certification
Center



DoWisely OÜ



DoWisely OÜ





Reviti ja Inventori koostööst

Revit > Inventor

Revit to Inventor

Name	Data Managment	File Type	Associative	Type	What	Outcome
Import	User Managed	<u>IFC</u>	Yes	Project	Geometry, Categories (Classes) and Properties	Designers can reference the Revit Model into the Inventor assembly for coordination.
		RVT	Yes		Geometry, Classes, No Properties	Cannot import RFA into Inventor
		STEP, DWG	Yes		Geometry and some Properties	
		DXF, OBJ, SAT, STL	No			
Data Exchange	ACC (Autodesk Docks)	Exchange	Yes	Project	Geometry and all Properties from Revit	Designers can export Revit models for collaboration and use in other applications.

Inventor > Revit

Inventor to Revit Workflow:

Name	Data Management	File Type	Associative	Type	What	Outcome
Simplify to Revit Export (Inventor)	User Managed	RVT	Yes	Project (think Layout)	Geometry, Categories, Properties, Placemnt	Designers can export a Revit Project for collaboration.
		IFC	Yes		Geometry, Categories, Properties, Placemnt & MEP Connectors	
		DWG, STEP, SAT, DWF, DXF, OBJ	No		Geometry, and some Properties	
BIM Content (Invenotr)	User Managed	RFA	No	Product (think CC)	Geometry, Properties, & MEP Connectors	Designers can export static model as Revit Family
		ADSK	No		Geometry, and some Properties	Revit 2026 is no longer imports ADSK - format used for Plant 3D
Informed Design	ACC (Autodesk Docks)	RFA	No	Product	Geometry, Categories, Properties, Placemnt, MEP Connectors, Parameters	Designers can publish Inventor parametric/ iLogic models usde to create and insert configurations as Family Type instances directly in Revit.
Data Exchange	ACC (Autodesk Docks)	Exchange	Yes	Project or Product	Geometry, Categories and some Properties,	Designers can export Inventor models for cloaboration and used for other aplications like Revit, Tekla, Power BI etc.

Informed Design





Inventori tugevusarvutused

Product Design & Manufacturing Collection

Inventor Professional

- Static Stress FEA
- Frame Analysis
- Shape Optimization
- Parametric Table

Fusion 360

- Simulation
- Shape Optimization
- Generative Design

Inventor Nastran

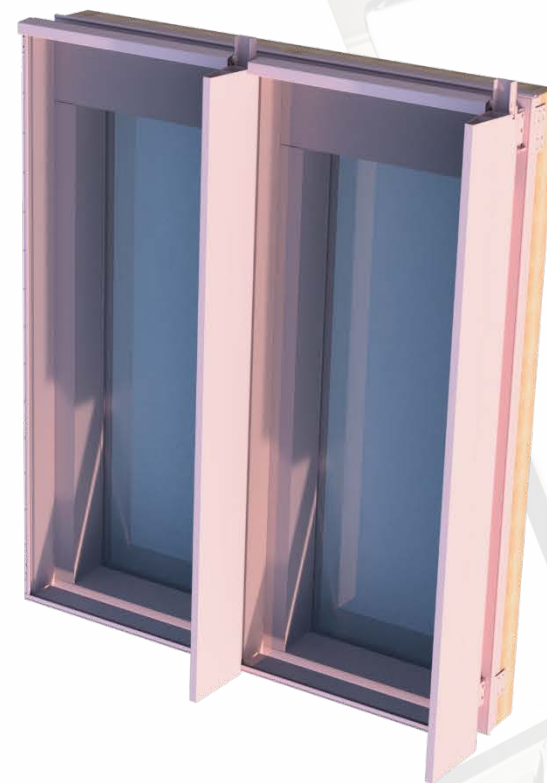
Inventor Nesting



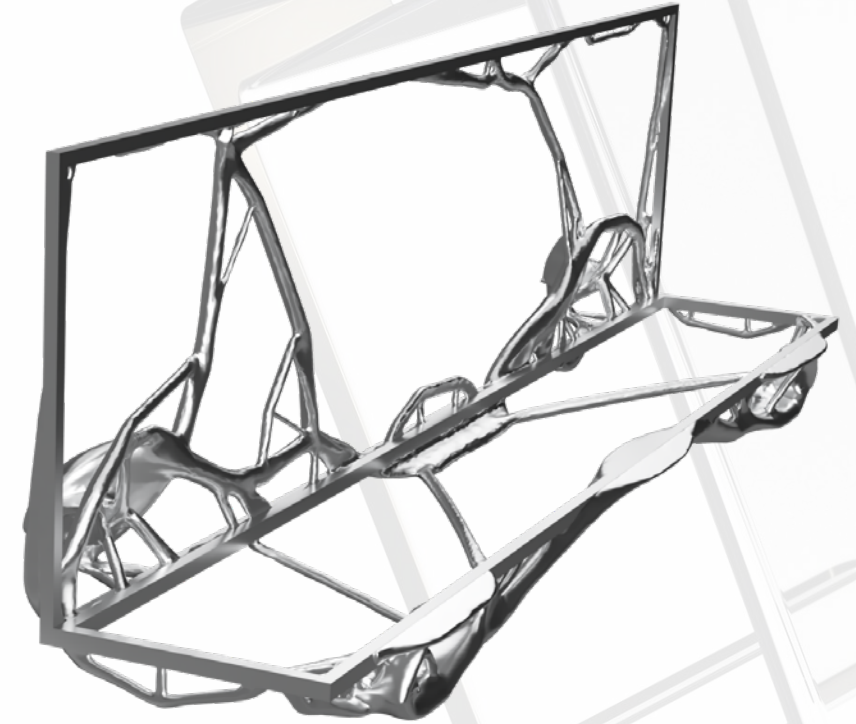
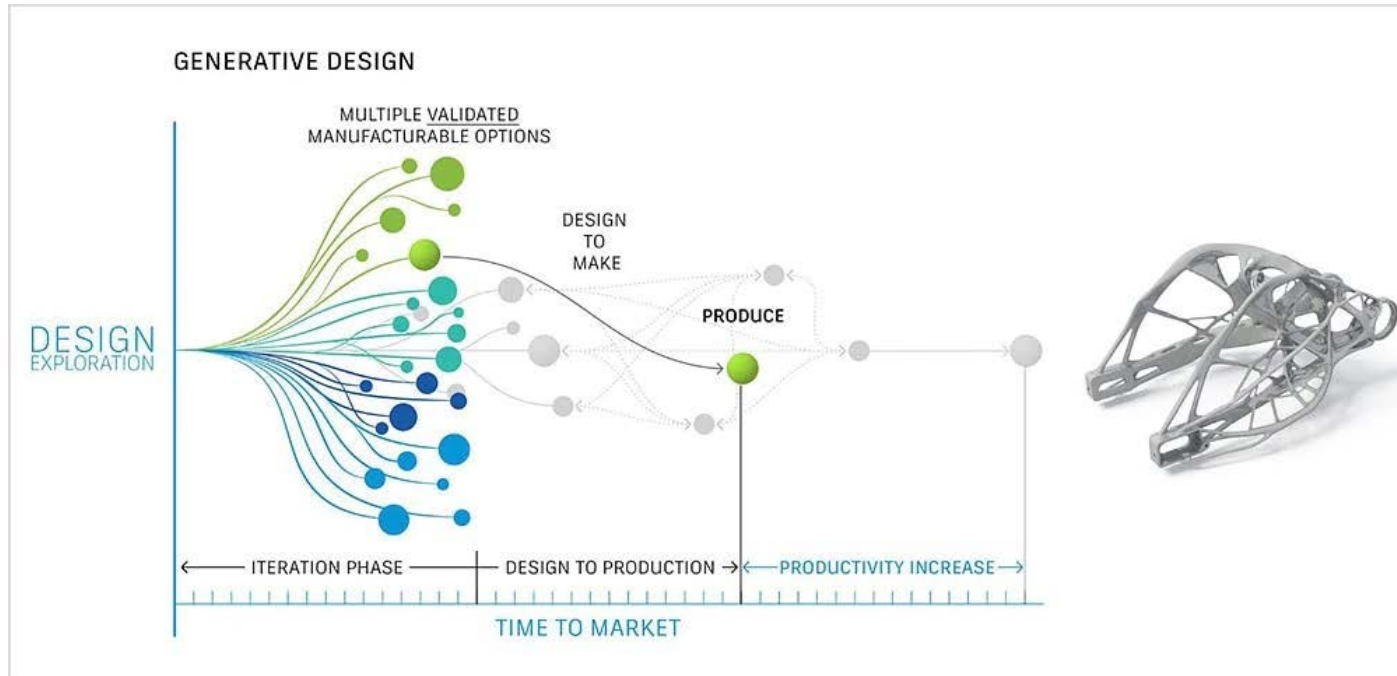
Kingli grupp



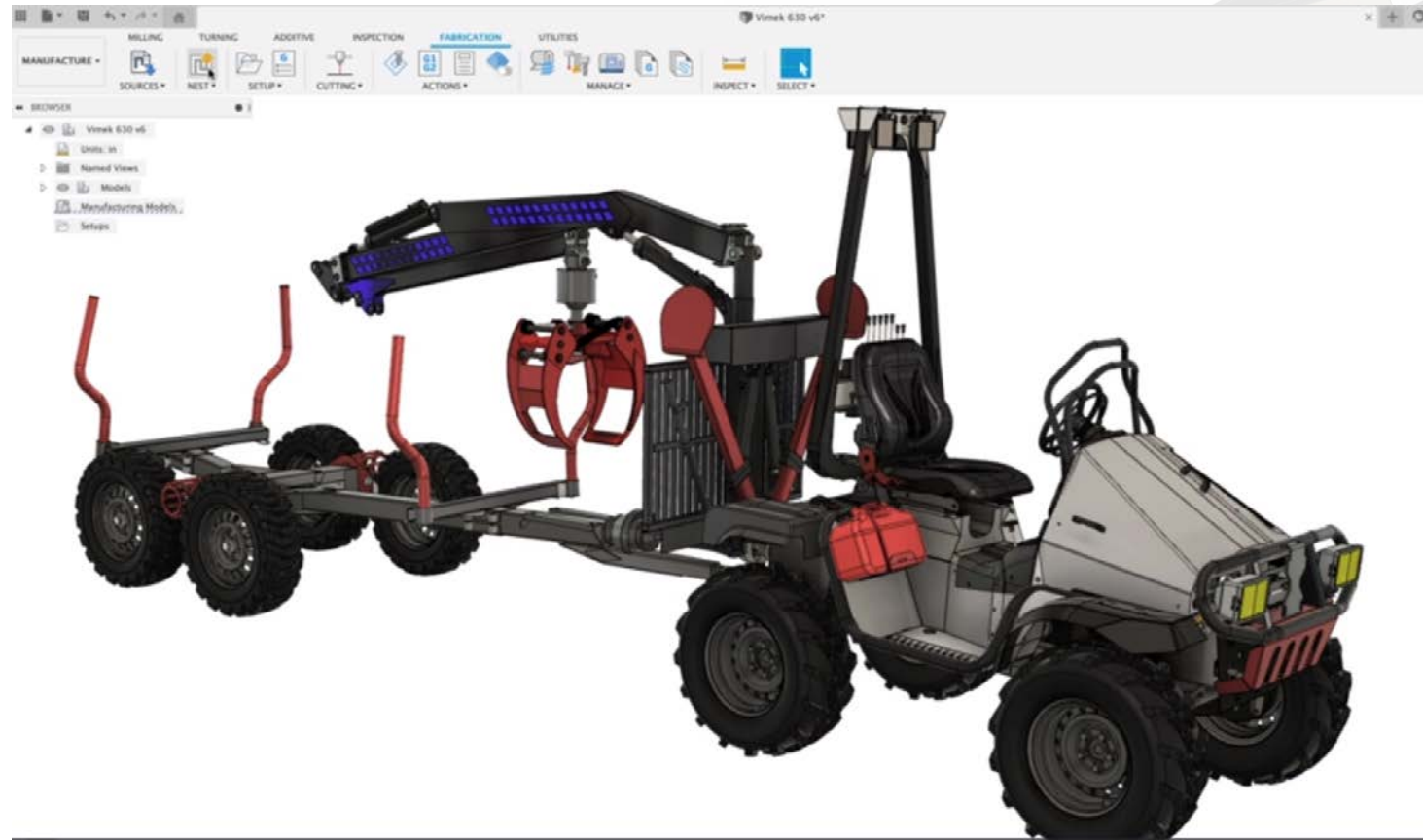
www.storaenso.com



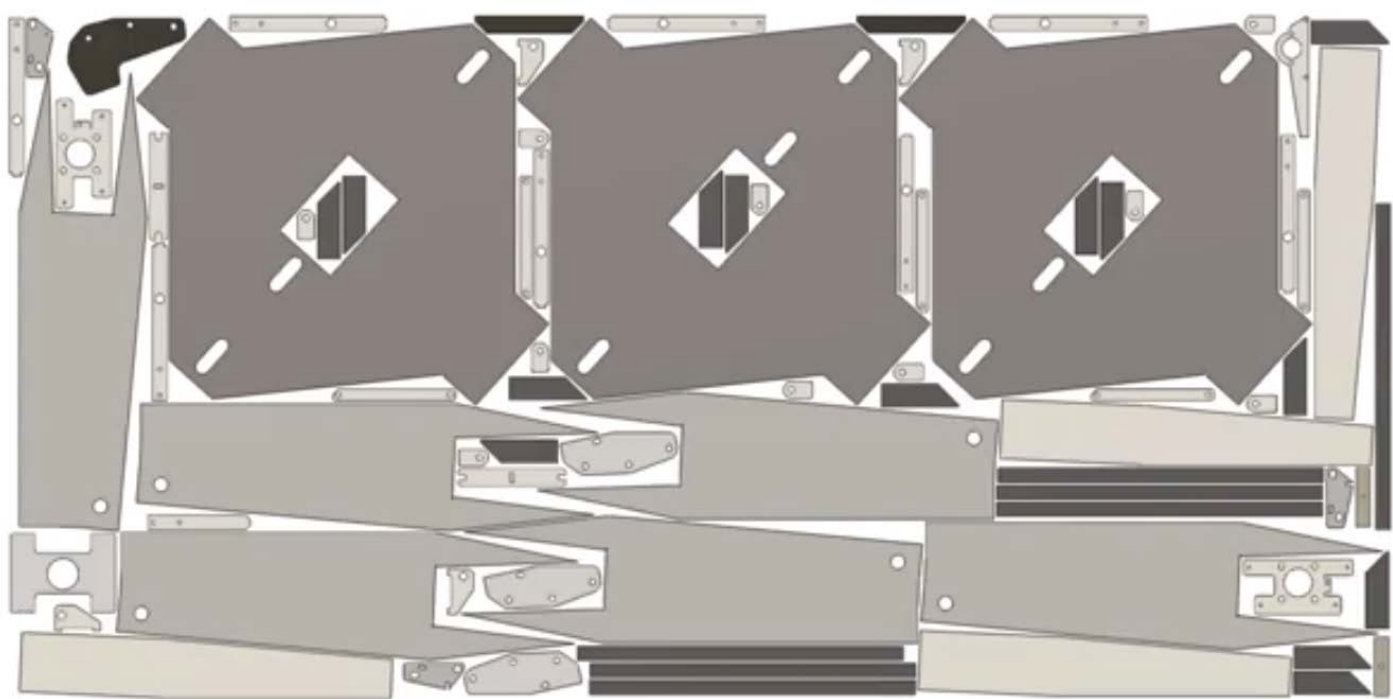
FUSION 360 – Generative Design



NESTING



NESTING





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